

A CLUTCH COUPLING BETWEEN A ROTATING SHAFT AND ITS
CONTROLLING MOTOR

ABSTRACT

A clutch coupling for the rollers of a roller conveyor comprises actuating means for actuating the conveyor, said actuating means being provided with means for transmitting motion to the shaft (8) of each roller (6). Said clutch coupling is set between the means for transmitting motion (15, 50) and the shaft (8) of each roller and is made up of a bushing element (20), which is provided with connection means (18, 51) for connection to the transmission means and is designed to rotate on and with respect to one end (22) of the shaft of the roller, by means of a pair of ball bearings (24, 25), which are inserted in said bushing and can be translated on said end (22) so as to move towards one another in response to the action of an elastic element (38, 144), which is designed to act upon one of the races of each ball bearing.